

## **POROUS COMPOSITE MEMBRANE AND METHOD FOR MAKING THE SAME**

### **Abstract**

5           The invention provides composite porous membranes comprising a porous  
hydrophobic substrate coated with difunctional surface-modifying molecules. The  
difunctional surface-modifying molecules provide a hydrophilic surface without forming  
branches of interconnected polymer molecules in the pores. The invention also provides  
a method for making composite porous membranes, such as a composite hydrophilic  
10   membrane with reduced concentration of surface modifying molecules required to coat a  
hydrophobic substrate.

BOS2\_345112.1